

# Dust Control During Cleanup

## Hunters Point Naval Shipyard Community Meeting

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# Welcome and Introductions



## Purpose of Tonight's Meeting

- Provide an overview of the dust control program at HPNS
- Answer questions from community members during the presentation and poster board session

# Welcome and Introductions



## Agenda

Time	Topic
5:30 p.m. – 6:00 p.m.	Opportunity to View Poster Boards
6:00 p.m. – 6:05 p.m.	Welcome and Introductions
6:05 p.m. – 6:30 p.m.	Dust Control During Cleanup Presentation
6:30 p.m. – 7:15 p.m.	Poster Boards (Questions & Answers)
7:15 p.m.	Meeting Adjournment

# Questions to be Answered Tonight



- 1. What is dust and why is it created during cleanup activities on HPNS?**
- 2. How does dust affect me as a community member?**
- 3. How is the Navy controlling dust?**
- 4. Where can I find more information on dust?**

# Q1: What is dust and why is it created at HPNS



- **Dust is a fine, dry powder consisting of tiny particles of earth or matter lying on the ground, on surfaces, or carried in the air.**
- **Dust at HPNS is created both naturally and during cleanup activities.**
  - **Natural dust is created when wind or weather picks up particles from the earth.**
  - **Dust during cleanup activities is generated when vehicles or equipment conduct work such as excavating, grading, or stockpiling on unpaved areas.**

## **Q2: How does dust affect me as a community member?**



- Dust in the air effects everyone differently.**
- Common health problems associated with airborne dust can include the following:**
  - Allergies
  - Rashes
  - Might aggravate other existing medical conditions, such as asthma

# Q3: How is the Navy controlling dust?



- **The Navy controls dust both on HPNS parcels and by placing restrictions on trucks hauling soil.**
- **Types of onsite controls include:**
  - **A basewide Dust Control Plan has been developed by the Navy to ensures all onsite contractors are following dust minimizing measures.**
  - **Water is used during construction activities to minimize dust.**
  - **Stockpiled soil is stored on plastic sheets and covered with a soil cementing compound or plastic tarp to prevent dust.**
  - **Straw waddles are placed around stockpiles to prevent soil runoff during heavy rain events.**

# Q3: How is the Navy controlling dust?



- **Types of onsite controls include (continued):**
  - **Soil stockpiles are inspected to ensure they remain in good condition with no signs of erosion.**
  - **Air monitoring stations placed both downwind and upwind of cleanup activities collect data on dust and chemicals in the air.**
  - **Durable covers, such as asphalt and soil slopes planted with vegetation, and revetment walls, significantly minimize the potential for airborne dust.**



# Q3: How is the Navy controlling dust?



**CONTINUOUS DUST CONTROL  
USING WATER TRUCKS TO SPRAY  
CONSTRUCTION AREAS**



**STOCKPILE MANAGEMENT USING  
SOIL CEMENTING COMPOUND AND  
STRAW WADDLES**



# Q3: How is the Navy controlling dust?

**FIELD TESTING FOR  
AIRBORNE  
CONTAMINATION**



**CONTINUOUS UPWIND AND  
DOWNWIND AIR MONITORING**



**THREE TYPES OF DURABLE COVERS**



# Q3: How is the Navy controlling dust?



- **Types of trucking restrictions include:**

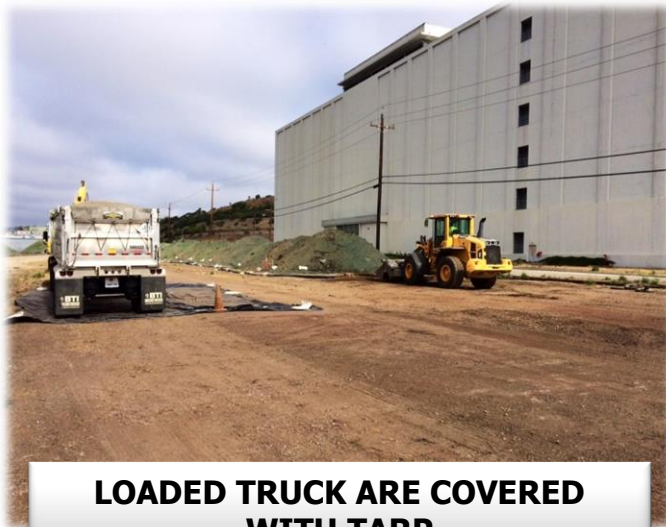
- Every truck leaving HPNS is tarped to prevent soil or debris from blowing out of the truck bed and into the HPNS community.
- Metal rumble strips are used at construction zone entry and exit points to physically knock loose dirt from truck tires to prevent it from getting on the road surfaces and causing dust.
- Truck tires are cleaned using a dedicated truck tire wash system.
- HPNS streets maintained by the Navy are swept with a street sweeper to further reduce any potential construction track out by trucks or heavy equipment.
- The truck speed limit on HPNS is 15 miles per hour (mph) and 5 mph in active construction zones.



# Q3: How is the Navy controlling dust?



**TRUCK TIRE WASH**



**LOADED TRUCK ARE COVERED  
WITH TARP**



**HPNS STREET SWEEPER**

## Q4: Where can I find more information on dust?



### –Additional information on dust is provided on the following websites.

- Navy

- Air quality data can be found on the Navy's BRAC website - [www.bracpmo.navy.mil](http://www.bracpmo.navy.mil)

- Federal and State Agencies

- USEPA – [www.epa.gov/air/](http://www.epa.gov/air/)

- California Environmental Protection Agency Air Resources Board – [www.arb.ca.gov](http://www.arb.ca.gov)

- Bay Area Air Quality Management District – [www.baaqmd.gov](http://www.baaqmd.gov)

- Local Public Health Agencies

- San Francisco Department of Public Health – [www.sfdph.org](http://www.sfdph.org)

- City of San Francisco Department of Public Health Asthma Task Force – [www.sfgov.org/asthma](http://www.sfgov.org/asthma)

# QUESTIONS?

